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Ota et al.

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(54) **FERRITIC STAINLESS STEEL PLATE**

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(58) **Field of Search** 420/66, 70; 148/325

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(57) **ABSTRACT**

The present invention provides a ferritic stainless steel sheet having excellent formability and excellent surface quality after forming. In specific means, the steel sheet contains, by mass %, 0.02 to 0.06% of C, 1.0% or less of Si, 1.0% or less of Mn, 0.05% or less of P, 0.01% or less of S, 0.005% or less of Al, 0.005% or less of Ti, 11 to 30% of Cr, 0.7% or less of Ni, the balance composed of Fe, and inevitable impurities, wherein N is contained to satisfy the relation to the C content represented by $0.06 \leqq (C+N) \leqq 0.12$, and $1 \leqq N/C$, and V is contained to satisfy the relation to the N content represented by $1.5\times10^{-3} \leqq (V\times N) \leqq 1.5\times10^{-2}$ (wherein C, N and V: the contents (mass %) of the elements).

6 Claims, 5 Drawing Sheets